1951. File No. 206 1051

Public Works Department.

C CLASS J BRANCH

Subject:— West,
De Rolo Hoehne,
Consulting Engineers Experts
Advice on irrigation problems.

(1c)

DEA 5-1

File No. 206-1051-J

Gen. 151—

593—1,00,000 7-50—K2*
(G. No. 2103, dated 22-6-22.)

Std. Serft. 74 A

DOCKET SHEET

Subject:— Visit – India.
Dr. Rolf Hobrecht
German expert on water supply & allied matters

File No. V PG 105

P. W. DEPT.

J. BRANCH.

References:—

old file no 3450/48

Date.	To whom sent.	Notes and instructions.

15-

Dr.Rolf Hoehne, VDI. DVGW
Consulting Engineers
Experts

HAMBURG 24/ Germany

New Delhi / India / Bombay
Post Box.434

New Delhi, April 19, 1951.

The Superintending Engineer,
Karnatak Irrigation Circle,
Dharwar.

Dear Sir,

Re: Advice on irrigation problems.

With reference to your letter No.G-116 dated the 16th April 1951 regarding advice on storage dams proposed to be constructed in the Ghataprabha Valley for irrigation in the State of Bombay, I have to say that I am very well conversant with this type of work, having executed several such schemes on the ~~Continent~~ Continent and shall be glad to give you such advice as is necessary. However, before giving you the conditions for this, I would first like to have detailed informations ~~and~~ on test borings, technical details of the dam site and profile of the geological strata found so far. For initial consultations and discussions I will not charge any fees as such, but would expect to be paid my actual travelling, boarding and lodging expenses if a visit to the dam sites is necessary from Bombay. Further I can assure you that for further advice and supervision, my fees would be according to the rates fixed by the Union of German Engineers which I shall let you know after knowing the actual work required after discussions. I would therefore like to discuss details either with you or your representative in Bombay where I hope to reach on Saturday the 21st. I will be in that city till the 23rd evening and can be contacted at the following addresses:-

No.1 Palm Court, Queens Road, Churchgate Reclamation, Bombay 1-(Telephone- 45897)

or

Mash Trading Co., Fort House, II Floor, Hornby Road, Bombay 1(Telephone- 32847).

Kindly contact me either by letter telegram or telephone when I am in Bombay so that I am able to discuss the problems with you.

Thanking you and assuring you of my best cooperation.

Yours faithfully,

Sd/

(Dr. Rolf Hohne)

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P. T. O. .....

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Express
No. G-116

Office of the Superintending Engineer,
Karnatak Irrigation Circle,
Dharwar, 23 April 1951.

Copy forwarded with compliments to the Chief Engineer to the Government of Bombay for perusal with reference to Government endorsement No. 3450/48-V-45 dated 18/12/50. 19

The letter was received too late on 23rd April 1951 and Dr.Rolf Hohne could not be contacted.

The results of investigations of the dam sites at Ajra on the Hiranyakeshi and Hadalga and Shettihalli on the Ghataprabha have been submitted under this office No.Bm/Daddi dated 30-3-1951. If Dr.Hohne continues to be in Bombay after 23rd April 1951, it is suggested that he may be requested to pay a visit to the sites and give his advice on the following points:-

1. Suitability of the sites for a composite (masonry in the centre and earthen at the sides) dam at Ajra and for a masonry dam at Hadalga and Shettihalli;

2. Whether the intercalations of thin flaggy strata under quartzites are likely to cause any difficulties for the masonry dams.

3. What uplift pressures would he suggest for adoption in the design of dam profile in view of the stratified rock foundation;

4. What grouting arrangement and programme would he suggest;

5. Would it not be better to have side spillway in the saddle instead of the central overflow type spillway in view of the stratified and fissured nature of the rock in the river bed?

6. What type of undersluices and canal sluices would he recommend.

As no fees are charged for preliminary consultations and discussions and as only out of pocket ~~xxxxxx~~ are to (expenses be paid for actual visit to sites it is strongly recommended that Dr.Hohne may be requested to pay a visit to the proposed sites. The matter will be discussed with him on the proposed sites.

Dr.Hohne is being requested to contact the Chief Engineer in Bombay.

Superintending Engineer, K. I. C.

BR/23-4.

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P. W. D.
File No. VOG 1051
Serial No. 36220

Shri Lobo
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No. 7291 of 1951,
Public Works Department,
Ahmedabad, 21st April, 1951.

To
The Chief Engineer to Government,
Public Works Department,
Bombay.

Subject:- Visit to India of Dr. Rolf Hohne, a German expert on Water Supply & Allied matters.

Reference:- Government, P.W.D. endorsement No.3540/48-V.W.S. dated 18-12-50. - 1.9

No such case has been reported in this Circle where expert advice of Dr. Rolf Hohne is necessary.

N. C. Bulsara
Superintending Engineer,
North Gujarat Circle.

KUV.20/4/51.
Compared by:-

18

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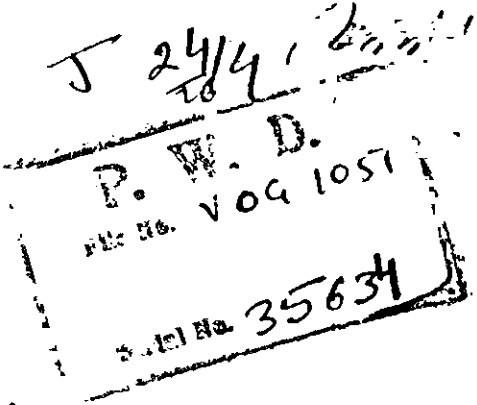

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No. G-116/1. Office of the Superintending Engineer,
Karnatak Irrigation Circle,
Dharwar, 23rd April 1951.

To

Dr. Rolf Hohne,
c/o Mash Trading Company,
Fort House, IInd Floor,
Hornby Road, Bombay-1

Subject: Advice on irrigation problems.

Dear Sir,

1.15

Thank you very much for your letter dated the 19th April 1951 which reached this office late on 23-4-1951 and I regret it was not possible for me to contact you even on phone. However, I request you please to contact the Chief Engineer to the Government of Bombay in the Secretariat, Public Works Department, Churchgate Street, Fort, Bombay in this connection.

Yours faithfully,

23/4

Superintending Engineer, K.I.C.

EXPRESS LETTER.

Copy forwarded with compliments to the Chief Engineer to the Govt.of Bombay in continuation of this office No. G-116 dated 23-4-1951.

1.16 —

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VOG 1051
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P. W. D.

File No. VOG 1051

Serial No. 36422

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VOG 1051/36422.

P. W. Deptt.

J. Branch.

These papers relate to the recent visit of Dr. Rolf Hohne, a German expert, to this country and the availability of his advice on water supply and allied matters. The S.E., K.I.C. who had contacted Dr. Hohne by letter 1.15 was informed that he would be in Bombay from the 21st to the 23rd inst. This intimation was however received very late after Dr. Hohne presumably left Bombay. Attempts were made to get Dr. Hohne by telephone at his Bombay residence, but to no avail. 1.16 The S.E., K.I.C's suggestion to consult Dr. Hohne and give his advice on certain points, could not therefore be considered. In the circumstances, it is proposed to inform the S.E., K.I.C. to correspnd direct with Dr. Hohne in the matter but to take the orders of Govt. before Dr. Hohne is requested to visit the actual sites of the dam, as the permission of Govt. will be necy. before incurring any expenditure. It is understood that no fees are charged by Dr. Hohne for preliminary consultations.

SSS. 30/4/51.

-R.
30.4.51

As Dr Hohne has already left Bombay, I think it is no longer necessary to pursue this matter further.

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1.5.51

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P.W.D.

Submitted with the
necy. draft for approval.

6.5.51.

6/5/51

DS

Letter 23

Secy to Govt
Irr. Dept. No. 1051-J

P.W.D.
B.E. (Bldg. No. 1)
May 1957.

To
The S.E. K.I.B.,

Subject: Advice on Irrigation Problems.

Reference: Correspondence ending with your endt. No. G. 116/1 dt. 19-the 23-4-57.

2. As Dr. Rolf Hohne had already left Bombay, it was not possible to consult him on technical points as desired by Govt.

3. As Dr. Hohne is still in India, Govt may correspond direct with him in the matter, but Govt should take the orders of Govt. before incurring any expenditure on Dr. Hohne's visit to the actual sites of the dam.

By order etc
A.S. to Govt.

Dy Secy.

1.5.57.

Copy of letter dated 1st May 1951 from DR. ROLF HOEHNE, DVGW, Consulting Engineers Experts, Delhi addressed to the Superintending Engineer, Karnatak Irrigation Circle, Dharwar, regarding Advice on irrigation problems.

" I beg to be excused for the delay for not having been possible to reach Bombay on 21st April and to remain there till 23rd. This delay had been due to some very urgent consulting work in Assam from where I have only come today. I am afraid you might have been inconvenienced much on account of this delay, but hope you won't mind for the above reason.

I will now be in Bombay in the beginning of next week and will try to contact you in time.

Thanking you,"

Very Urgent.

No. G-116. Karnatak Irrigation Circle, Dharwar, 3rd May 1951.

Copy forwarded with compliments to the Chief Engineer to Government, Public Works Department, Bombay, for information, in continuation of correspondence ending with this office No.G-116/1, dated 23-4-1951.

10-49

2....

2. It is requested that Dr.Hoehne may please be contacted in Bombay when he comes there next week (his address is given in this office letter No.G-116 dated 23-4-1951) and the question of dam sites at Shettihalli and Ajra discussed with him. All the data collected so far is already submitted to the Chief Engineer.

If the Chief Engineer considers that I should meet Dr.Hoehne and discuss the matter with him, I may please be informed accordingly by wire.

Superintending Engineer,K.I.C.

File No. VOG 1051
39392

Slate Telegram Express

From Bomworks, Bombay

To S.E., K.J.C., Dharwar

No. 6-25

Your endorsement/G 11.6 of 3rd May. Please come to Bombay and see Dr Hoehne

Tele ISSUED 5/5/51

No. VOG 1051 J

P.W.D., B.C. (Bombay No.1)

5th May 1951

Copy by post in confirmation.

Issued 5/5/51

2R1 5-5-51

A.A.S.

SLR.I.I 5/5

421 5/5/51.

Issue at once 5/5

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No. G.116

Office of the Superintending Engineer,
Karnatak Irrigation Circle,
Dharwar, (Bombay State, M.S.M.Rly),

Dated: 23 May 1951.

To

Dr. Rolf Hohne,
c/o M/s. Mash Trading Company,
Post Box.No.434, New Delhi.

Dear Sir,

Subject: Advice on Irrigation Problems. 1/33

I have duly received your letter dated 12-5-1951 and thank you for the same. I note the unforeseen circumstances under which you had to leave abruptly for Germany but I cannot conceal from you the disappointment I felt. I look forward for your return to India with interest and shall be grateful if you will give me advance notice of your arrival and stay in Bombay.

2. I am now investigating dam sites across two rivers. These sites lie in areas where the test bores show the geological formations to be ~~quartzix~~ quartzites, sandstones and shales. The top formations are highly fissured massive quartzites for a depth of 20 to 25 ft. and water pressure tests show large leakage. These quartzites ~~and~~ overlie other quartzites, sandstones and shales with thin intercalations of flaggy materials at intervals. The points on which your advice is sought are:-

1) Suitability of the sites for a composite (Masonry in the centre and earthen at the sides) dam at Ajra and a masonry dam at Hadalga. If both types are not considered suitable, which type would you suggest?

2) Would you consider that the intercalations of thin flaggy strata will cause any difficulties for masonry dams? If so, what would be these difficulties and how can they be overcome?

3) What uplift pressures would you suggest for the design of masonry dam profile in view of the stratified rock foundation both with regard to intensity and distribution?

4) What grouting arrangement and programme would you suggest?

5) Would it be better to have central overflow spillway or a side spill in a saddle which is available nearby. Will the narrow ridge at the saddle require any special treatment for preventing leakage?

6) What type of undersluices and canal sluices would you suggest?

7) Would you recommend generation of hydro electricity at the dam site? Would you recommend generation taking advantage of the difference of two rivers?

I enclose a few plans for your ... Others can be discussed on your return.

Thanking you,

Yours faithfully,

Superintending Engineer, K.I.C.

Encl: 6
Plans

Copy with a copy of the letter replied to forwarded with compliments to the Chief Engineer for information with reference to Government telegram dated 5-5-1951. Dr.Hohne could not be contacted as he had to leave India abruptly but this will be done on his return.

J 26/5

28

P. W. D.

File No. VOG 105

Serial No. 45

Letter dated 12th May 1951 from Dr.Rolf Hohne, P.B.No New Delhi, addressed to the Superintending Engineer, Karnat Irrigation Circle, Dharwar.

Subject: Advice on irrigation problems.

" I thank you very much for your letter No.G-116 dated 8th May 1951 from Camp via Dharwar. I extraordinarily regret not being able to see you during my present stay in Bombay as by a special urgent call of my own Government I have to leave for a short time i.e., for about three weeks and I am really sorry for not having been able to see you in order to discuss your irrigation problems. Please take this delay not as an excuse but as an unforeseen fact. You will be sure I shall be very glad to help you in the near future as I intend to stay here for definitely three to four months.

" In the meantime I shall be glad if you perhaps would let me know your main ideas of your problems of the irrigation circle you may try to tackle now and the proposals you wish to make so that I may have a general idea of the same and perhaps I could take from Germany some necessary pamphlet, drawings and whatever may be necessary.

Thanking you in advance, I remain etc....

" P.S:- Please address the future correspondence to Mash Trading Company Post Box.No.434, New Delhi. "

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Copy
BR/22-5.

No. G.11C

Office of the Superintending Engineer,
Karnatak Irrigation Circle,
Dharwar, (Bombay State, M.S.M.Rly.),

Dated: 23 May 1951.

To

Dr. Rolf Hohne,
c/o M/s. Mash Trading Company,
Post Box.No.434, New Delhi.

Dear Sir,

Subject: Advice on Irrigation Problems.

I have duly received your letter dated 12-5-1951 and thank you for the same. I note the unforeseen circumstances under which you had to leave abruptly for Germany but I cannot conceal from you the disappointment I felt. I look forward for your return to India with interest and shall be grateful if you will give me advance notice of your arrival and stay in Bombay.

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5) Would it be better to have central overflow spillway or a side spill in a saddle which is available nearby. Will the narrow ridge at the saddle require any special treatment for preventing leakage?

6) What type of undersluices and canal sluices ... you suggest?

7) Would you recommend generation of hy... electricity at the dam site? Would you recommend ...vels in the beds taking advantage of the difference ... of two rivers?

I enclose a few plans for your ... Others can be discussed on your return.

Thanking ...

Yours faithfully,

Superintending Engineer, K.I.C.

Encl:
Plans: 6
Statement 1

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PWD

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Submitted Hfr 29-33 for information.

Record

29.5.81

Hfs 30/5/81

DJ.

Recd
30/5